ZONE A (CRITICAL ROOT ZONE)
The Critical Root Zone is the area under a tree measuring 1 foot of radius per 1 inch of diameter at breast height (DBH) from the trunk outwards and 24 inches in depth. For example: for a 10 inch dbh tree, the Critical Root Zone is located at least 10 feet out from the trunk and 24 inches deep.

RESTRICTIONS
1. Operation of heavy equipment and/or stockpiling of materials subject to approval. *Surface protection measures required
2. Trenching permitted as follows:
   - Excavation by hand or with a hand-driven trencher may be required
   - Minimize trench width to the extent possible
   - No disturbance permitted within ZONE A
   - Maintain 2/3 or more of ZONE B in an undisturbed condition
3. Tunneling may be required for trenches deeper than 3'-0"

ZONE B (DRIP LINE)
The Drip Line is the area below the tree in which the boundary is designated by the edge of the tree's crown.

ZONE C (FEEDER ROOT ZONE)
The Feeder Root Zone is the area under a tree measuring 2 feet of radius per 1 inch of DBH from the trunk outwards and 24 inches in depth. For example: for a ten inch diameter tree, The Critical Root Zone is located at least 20 feet out from the trunk and 24 inches deep.

RESTRICTIONS
1. Operation of heavy equipment and/or stockpiling of materials subject to approval. *Surface protection measures required
2. Trenching permitted as follows:
   - Excavation by hand or with hand-driven trencher may be required
   - Minimize trench width to the extent possible
   - Maintain 2/3 or more of ZONE C in an undisturbed condition

*SURFACE PROTECTION MEASURES
1. Wood chip mulch layer, 3' - 6' depth, or
2. 4" wood chip mulch layer under 24" plywood, or
3. 6" gravel over tacked geotextile fabric
4. 4" wood chip mulch layer under check plates,
5. 4" wood chip mulch layer under loggers road mats

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

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TREE PROTECTION DURING CONSTRUCTION

STANDARD PLAN NO. 15-06